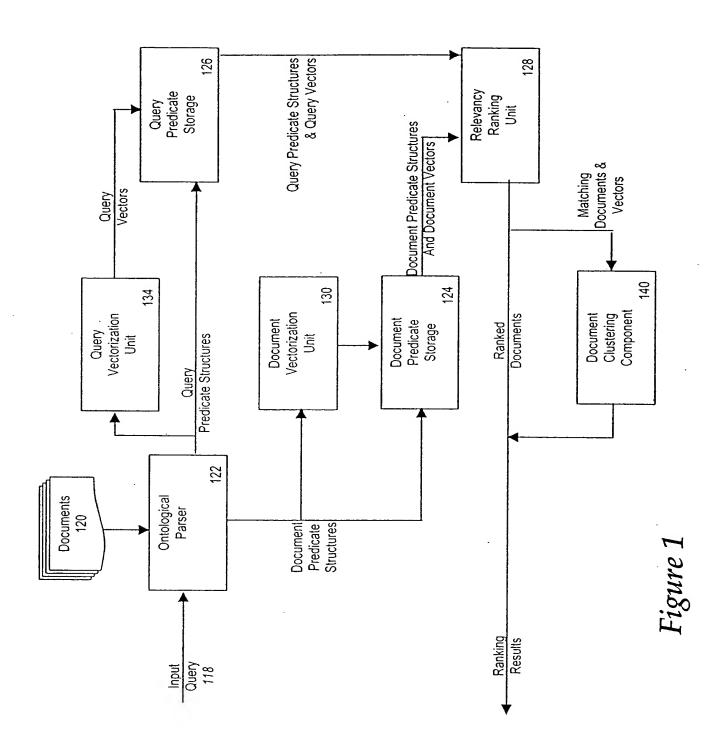
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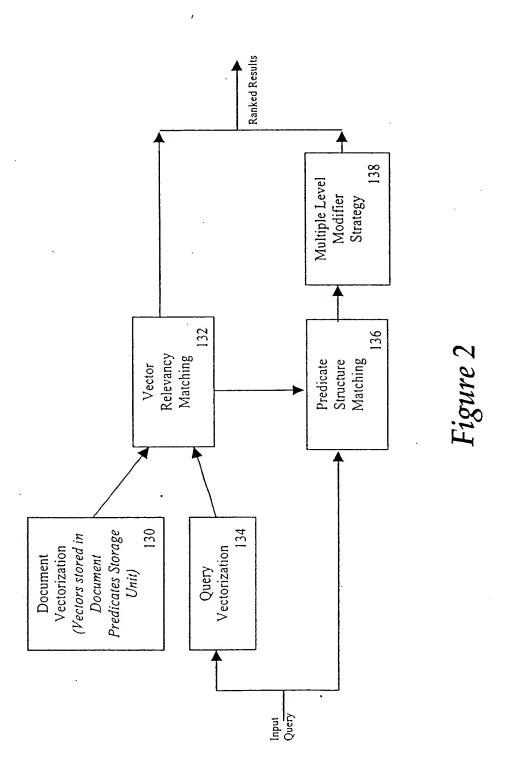


Table 1 Examples of Modifier Names and Weights

Modifier	Evalenation of Modifier	W.
VerbOnlyMatchModifier	Parameter for two matching predicates in two predicate structures.	7 cigin 4
NounModifier	Parameter for matching noun arguments in two predicate structures	, ,
VerbNounMatchModifier	Parameter for matching complete predicate structures.	. ∞
PredicateStructureExactMatchMo difter	Parameter for two exactly matched predicate structures	40
PredicaleExaclMalchModifier	Parameter for two exactly matched predicates	25
ConceptExactMatchModifier	Parameter for two exactly matched concepts	15
ConceptProximityModifier	Parameter considering the ontological relationship between two concepts	ConceptEcatMatchModfier × (1 - highest order difference digit identifier digit number
SameStemModifter	Parameter for two words from same stem	20
ArgumentMatchModifter	Parameter for two arguments that exactly match	10
ProperNounExactMatchModifter	Parameter for two exactly matched proper nouns	15
SymbolMatchModifier	Parameter for two matched symbols	10
FrontLineModifier	Parameter for a predicate in which the corresponding sentence occurs in the first 10 sentences of the document	٧.
DocSizeModifier	Parameter to adjust for overall document size	0.035

Figure?

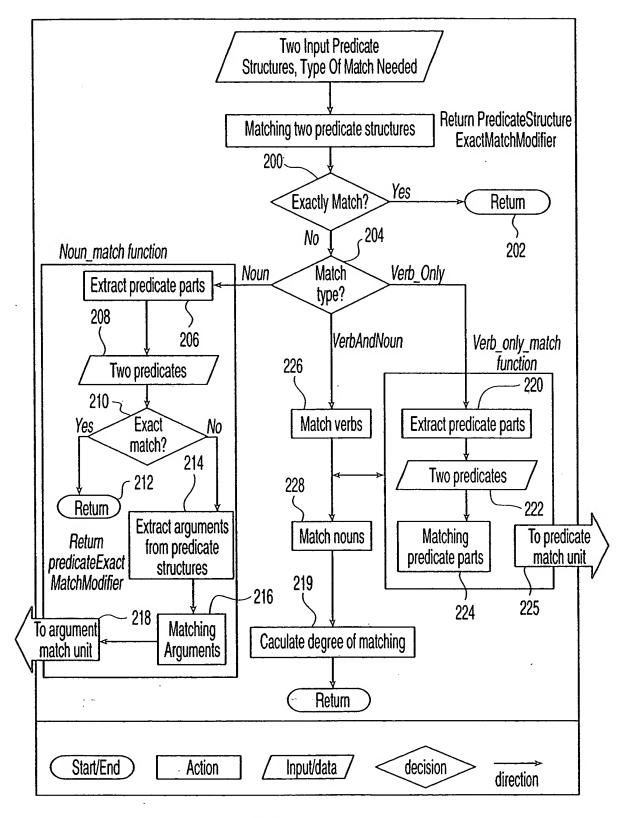
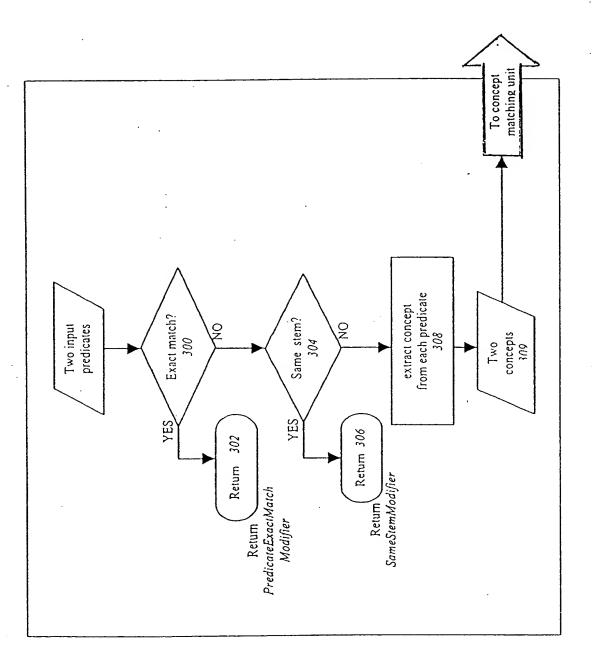


Figure 4



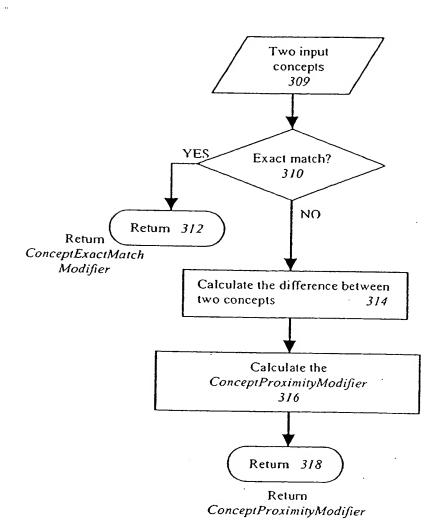


Figure 6

THOD AND SYSTEM OF RANKING AND CLUSTERIN DOCUMENT INDEXING AND RETRIEVAL

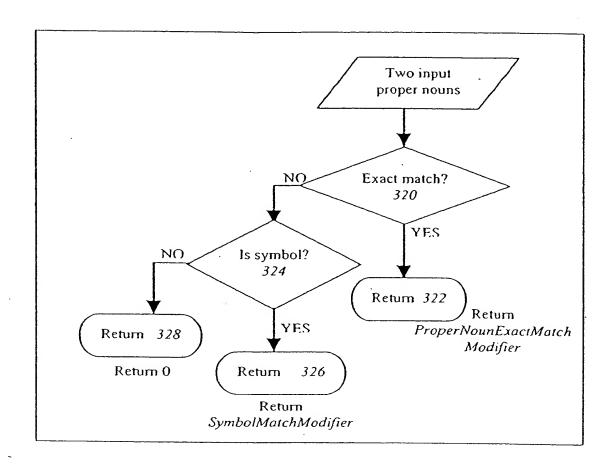


Figure 7

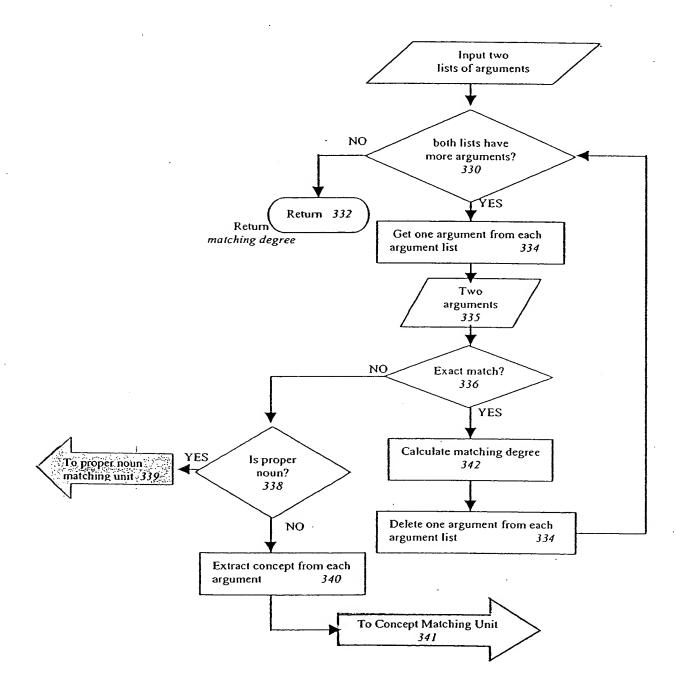
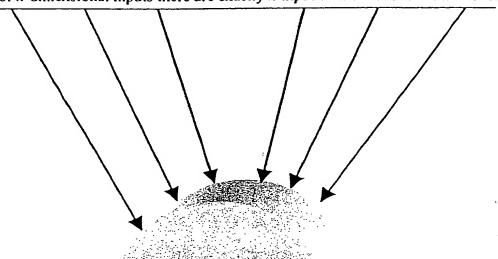
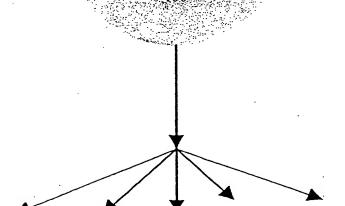


Figure 8

Input signal connections, each input connection carries one element of the input vector. For n-dimensional inputs there are exactly n input connections to the neurode.

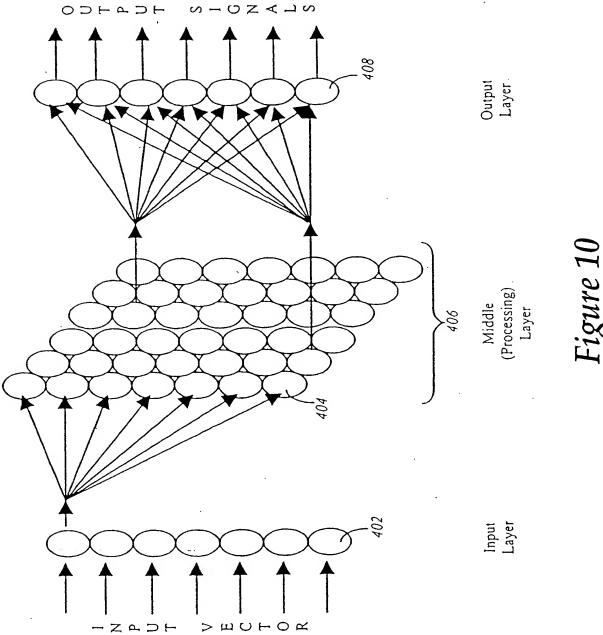


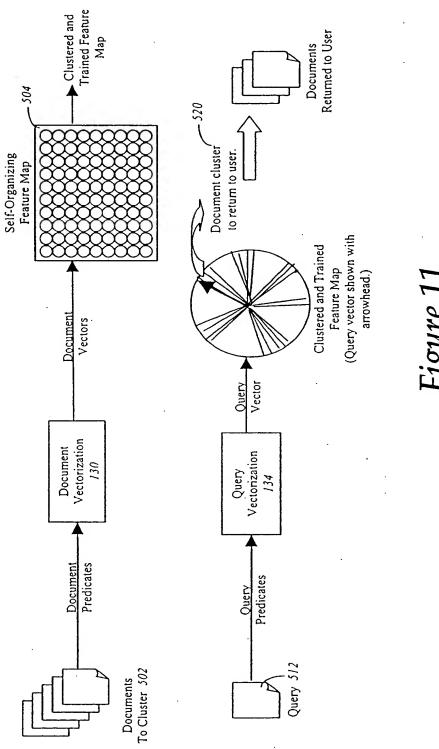
Nonlinear response to the net weighted sum of the input signals:

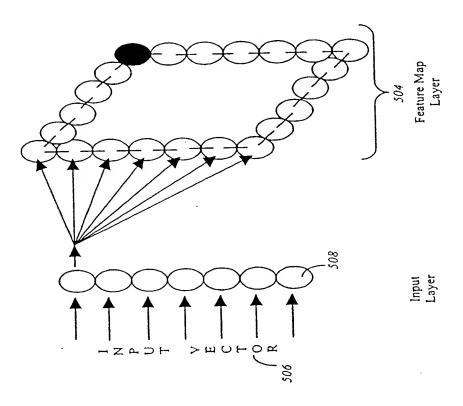


Output signal, a single value, which may be transmitted to one or more other neurodes or to the outside world

Figure 9







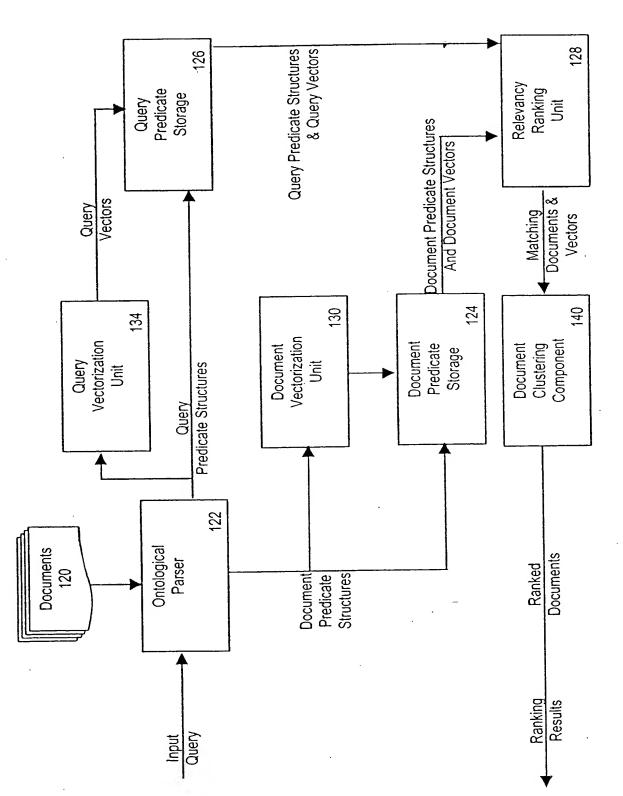


Figure 13

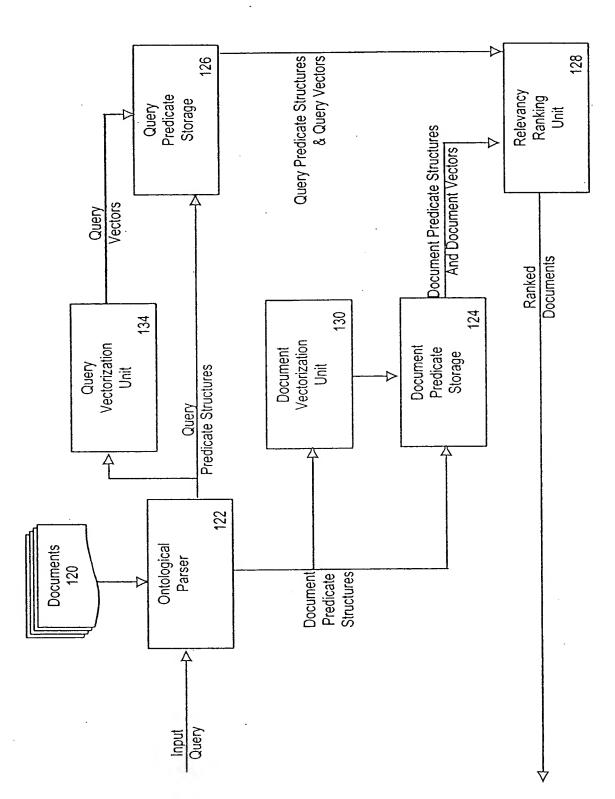


Figure 14

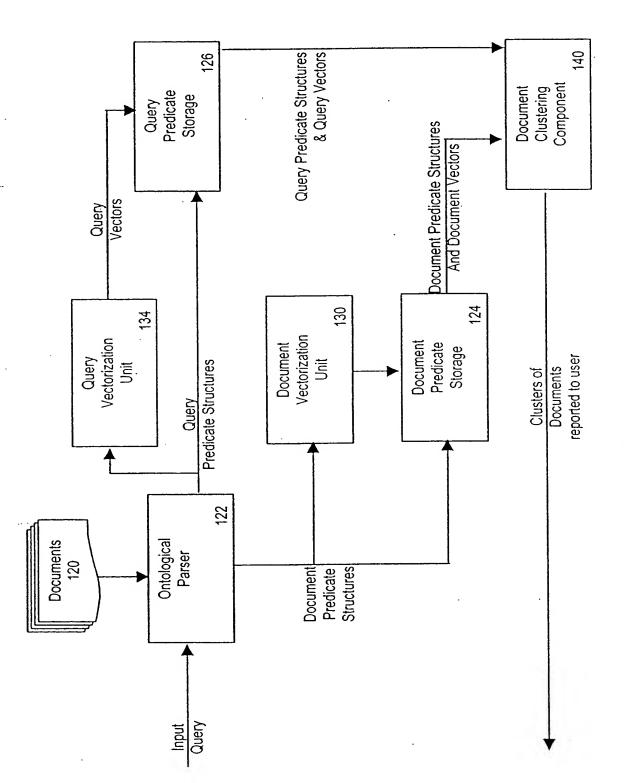


Figure 15

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